

## WEST Search History for Application 10583923

Creation Date: 2009111810:38

(GROWTH HORMONE OR SOMATOTROPIN OR RECOMBINANT GROWTH HORMONE)USPT,  
EPAB, JPAB, DWPI ADJ YES 10-28-2008  
(LIQUID formulation? or aqueous FORMULATION?) and ((GROWTH HORMONE OR  
SOMATOTROPIN OR RECOMBINANT GROWTH HORMONE) )USPT, EPAB, JPAB,  
DWPI ADJ YES 10-28-2008  
((LIQUID formulation? or aqueous FORMULATION?) and (GROWTH HORMONE OR  
SOMATOTROPIN OR RECOMBINANT GROWTH HORMONE) ) and (non-ionic surfactant or  
polymer stabilizer or divalent cation or tonicity agent or sorbitol or methionine or  
preservative)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
((LIQUID formulation? or aqueous FORMULATION?) and (GROWTH HORMONE OR  
SOMATOTROPIN OR RECOMBINANT GROWTH HORMONE) ) and (non-ionic surfactant and  
polymer stabilizer and divalent cation and tonicity agent or sorbitol and methionine and  
preservative)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
(ph 5 or 8) andL4USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
(ph 5 or pH 8) and ((LIQUID formulation? or aqueous FORMULATION?) and (GROWTH  
HORMONE OR SOMATOTROPIN OR RECOMBINANT GROWTH HORMONE) and (non-ionic  
surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol and  
methionine and preservative) )USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
6593296.pn.USPT ADJ YES 10-28-2008  
(Stabil? growth hormone formulation)USPT ADJ YES 10-28-2008  
(Stabil? and growth hormone)USPT ADJ YES 10-28-2008  
(liquid formulation? or aqueous formulation?) and ((Stabil? and growth hormone)  
)USPT ADJ YES 10-28-2008  
(liquid formulation? or aqueous formulation?) and ((Stabil? and growth hormone)  
)USPT ADJ YES 10-28-2008  
(Stabil? and growth hormone)USPT ADJ YES 10-28-2008  
(Stabil? and growth hormone)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
((Stabil? and growth hormone) ) and (liquid formulation? or aqueous formulation?)USPT,  
EPAB, JPAB, DWPI ADJ YES 10-28-2008  
((Stabil? and growth hormone) and (liquid formulation? or aqueous formulation?) ) and and  
(non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol  
and methionine and preservative)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
((Stabil? and growth hormone) and (liquid formulation? or aqueous formulation?) ) and and  
(non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol  
or methionine and preservative)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
((Stabil? and growth hormone) and (liquid formulation? or aqueous formulation?) ) and  
(non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol  
or methionine and preservative)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
(pH 5 or pH 8) and ((Stabil? and growth hormone) and (liquid formulation? or aqueous  
formulation?) and (non-ionic surfactant and polymer stabilizer and divalent cation and  
tonicity agent or sorbitol or methionine and preservative) )USPT, EPAB, JPAB,  
DWPI ADJ YES 10-28-2008  
(pH 5 to pH 8) and ((Stabil? and growth hormone) and (liquid formulation? or aqueous  
formulation?) and (non-ionic surfactant and polymer stabilizer and divalent cation and  
tonicity agent or sorbitol or methionine and preservative) )USPT, EPAB, JPAB,  
DWPI ADJ YES 10-28-2008

(pH 5 to pH 8) and ((Stabl? and growth hormone) and (liquid formulation? or aqueous formulation?) and (non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol or methionine and preservative) )USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008

5206219.pn.USPT ADJ YES 10-28-2008

(GROWTH HORMONE OR SOMATOTROPIN OR RECOMBINANT GROWTH HORMONE)PGPB ADJ YES 10-28-2008

(Stabl? growth hormone)PGPB ADJ YES 10-28-2008

(Stabl? growth hormone)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008

(growth hormone or human growth hormone or somatotropin or recombinant growth hormone)USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

(non-ionic surfactant or nonionic surfactant or non ionic surfactant) and ((growth hormone or human growth hormone or somatotropin or recombinant growth hormone) )USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

(polymer stabilizer or polymer stabl?) and ((non-ionic surfactant or nonionic surfactant or non ionic surfactant) and (growth hormone or human growth hormone or somatotropin or recombinant growth hormone) )USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

(polyethylene glycol) and ((non-ionic surfactant or nonionic surfactant or non ionic surfactant) and (growth hormone or human growth hormone or somatotropin or recombinant growth hormone) )USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

(polysorbate or tween) and ((polyethylene glycol) and (non-ionic surfactant or nonionic surfactant or non ionic surfactant) and (growth hormone or human growth hormone or somatotropin or recombinant growth hormone) )USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

((growth hormone or human growth hormone or somatotropin or recombinant growth hormone) ) near (liquid or aqueous)USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

(polyethylene glycol) and ((growth hormone or human growth hormone or somatotropin or recombinant growth hormone) near (liquid or aqueous) )USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

(polysorbate or tween) and ((polyethylene glycol) and (growth hormone or human growth hormone or somatotropin or recombinant growth hormone) near (liquid or aqueous) )USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

(growth hormone or Somatotrophin or somatotropin)PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-14-2009

(Liquid formulation or aqueous solution) near3 ((growth hormone or Somatotrophin or somatotropin) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-14-2009

(surfactant and polymer stabilizer and methionine) and ((Liquid formulation or aqueous solution) near3 (growth hormone or Somatotrophin or somatotropin) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-14-2009

(methionine) and ((Liquid formulation or aqueous solution) near3 (growth hormone or Somatotrophin or somatotropin) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-14-2009

(methionine) near2 ((Liquid formulation or aqueous solution) near3 (growth hormone or Somatotrophin or somatotropin) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-14-2009

(methionine) same ((Liquid formulation or aqueous solution) near3 (growth hormone or Somatotrophin or somatotropin) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-14-2009

(methionine) and ((Liquid formulation or aqueous solution) near3 (growth hormone or Somatotrophin or somatotropin) )USPT ADJ YES 04-14-2009

((liquid formulation or aqueous formulation).ab.PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009

(nonionic surfactant or non ionic surfactant or non-ionic surfactant)and ((liquid formulation or aqueous formulation).ab. )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009

(polymer stabilizer or polyethylene glycol) and ((nonionic surfactant or non ionic surfactant or non-ionic surfactant)and (liquid formulation or aqueous formulation).ab. )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 ((methionine) and ((polymer stabilizer or polyethylene glycol) and (nonionic surfactant or non ionic surfactant or non-ionic surfactant)and (liquid formulation or aqueous formulation).ab. )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 ((methionine)PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 ((tonicity agent) and ((methionine) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 ((liquid formulation or aqueous formulation).ab. ) near3 ((methionine) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 ((liquid formulation or aqueous formulation).ab. ) same ((methionine) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 5358708.pn.USPT ADJ YES 04-22-2009  
 (growth hormone) and (5358708.pn. )USPT ADJ YES 04-22-2009  
 6448225.pn.PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 6448225.pn.USPT ADJ YES 04-22-2009  
 (polymer) and (6448225.pn. )USPT ADJ YES 04-22-2009  
 (polymer) and (5358708.pn. )USPT ADJ YES 04-22-2009

### Prior Art Searches

Query	DB	Op.	Plur.	Thes.	Date
(PROTEIN OR POLYPEPTIDE OR PEPTIDE OR NUCLEIC ACID)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
(POLYMER STABILIZER OR POLYETHYLENE GLYCOL)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
(METHIONINE)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
((METHIONINE) ) AND (FORMULATION OR AQUEOUS SOLUTION)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
((METHIONINE) AND (FORMULATION OR AQUEOUS SOLUTION) ) and ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL) ) and ((PROTEIN OR POLYPEPTIDE OR PEPTIDE	PGPB, USPT, EPAB, JPAB,	ADJ	YES		11-18-2009

<b>OR NUCLEIC ACID) )</b>	DWPI				
<b>((PROTEIN OR POLYPEPTIDE OR PEPTIDE OR NUCLEIC ACID) ) AND (FORMULATION OR AQUEOUS SOLUTION)</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>((PROTEIN OR POLYPEPTIDE OR PEPTIDE OR NUCLEIC ACID) AND (FORMULATION OR AQUEOUS SOLUTION) ) same ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL) )</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>((PROTEIN OR POLYPEPTIDE OR PEPTIDE OR NUCLEIC ACID) AND (FORMULATION OR AQUEOUS SOLUTION) ) and ((METHIONINE) ) and ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL) )</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>((PROTEIN OR POLYPEPTIDE OR PEPTIDE OR NUCLEIC ACID) ) same ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL) ) same ((METHIONINE) )</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>((POLYMER STABILIZER OR POLYETHYLENE GLYCOL) ) near5 ((METHIONINE) )</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>((METHIONINE) ) same (FORMULATION OR AQUEOUS SOLUTION)</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>((METHIONINE) same (FORMULATION OR AQUEOUS SOLUTION) ) near5 ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL) )</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>((METHIONINE) same (FORMULATION OR AQUEOUS SOLUTION) ) and ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL) )</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>(stablizer or stablization)</b>	PGPB, USPT, EPAB,	ADJ	YES		11-18-2009

	JPAB, DWPI				
((stablizer or stablization) ) same ((METHIONINE) )	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009